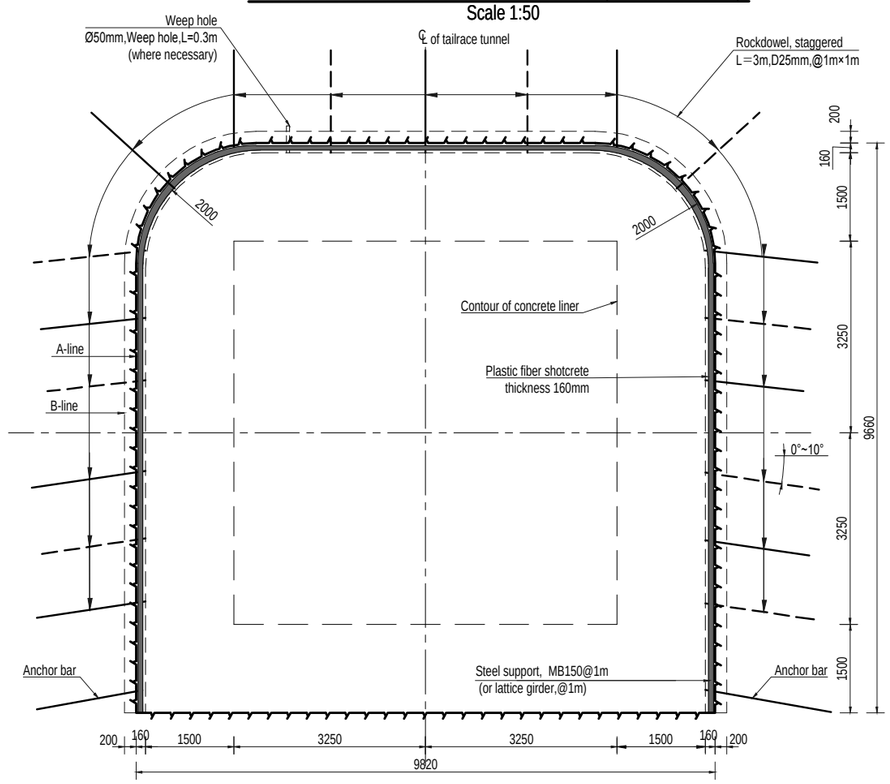
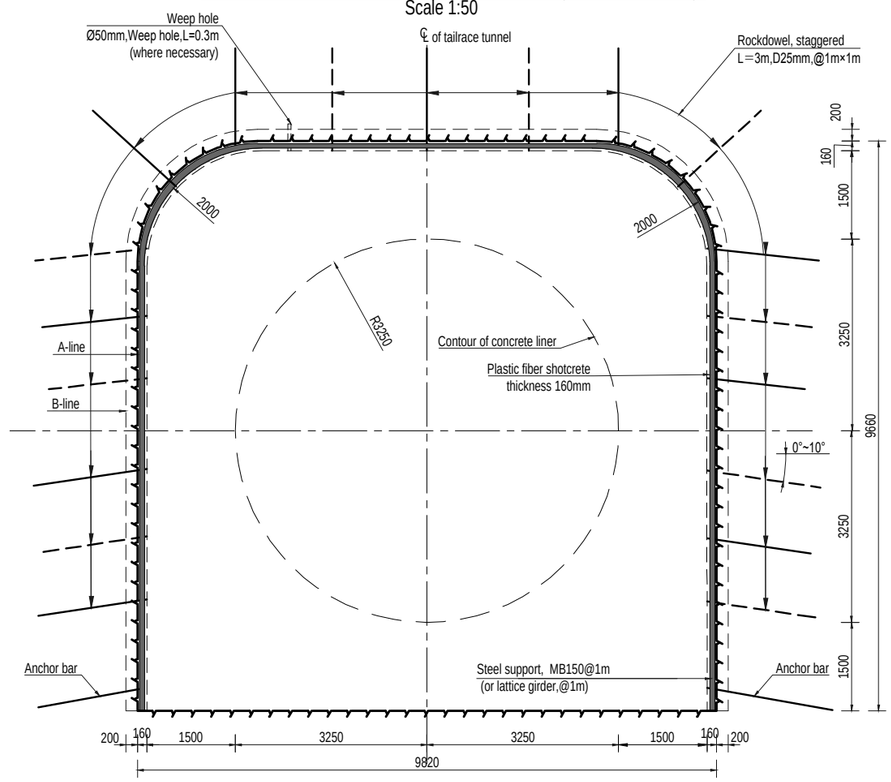
SUPPORT TYPE OF ROCK CLASS IV(SECTION A-A)

Scale 1:50



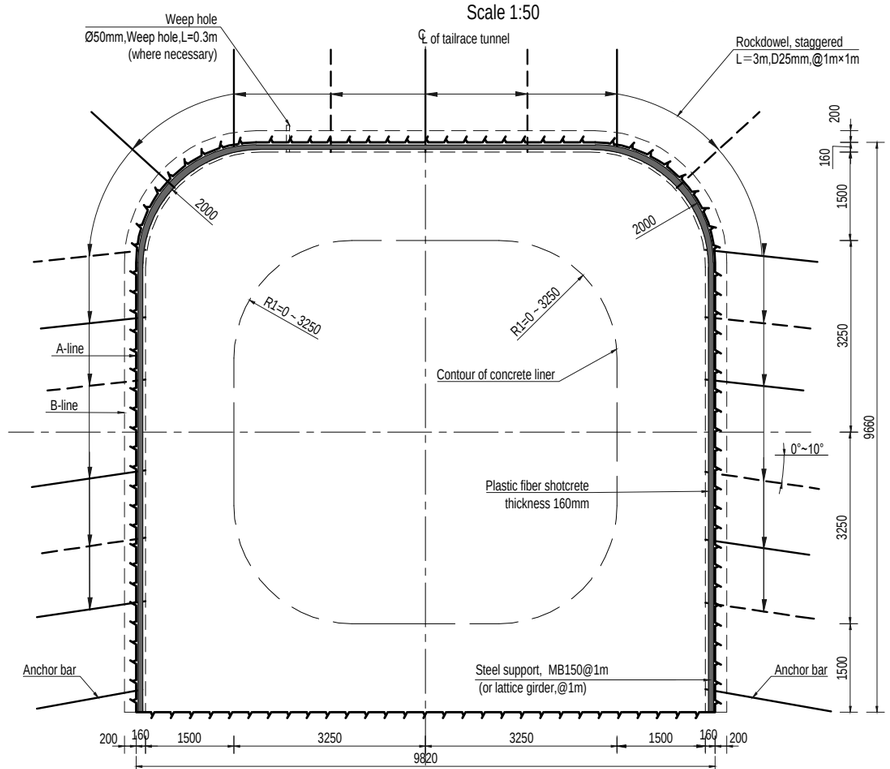
SUPPORT TYPE OF ROCK CLASS IV(SECTION C-C)

Scale 1:50



SUPPORT TYPE OF ROCK CLASS IV(SECTION B-B)

Scale 1:50



SUPPORT TYPE OF ROCK CLASS IV(SECTION B-B)

Note:

The outlet section of tailrace tunnel is a transition type. The change of the chamfer radius of the two corners on the top is as follows:

- The internal radius of the tunnel (R1) changes from 0 to 3.25m,

NOTE

1. This set of drawings are the excavation and initial support of tailrace tunnel.
2. The cylinder specified compressive strength of shotcrete and cement mortar at 28 days of age is 25MPa.
3. The yield strength of steel is 250MPa.
4. Rust preventive compound will be sprayed on exposed surface of steel structure.
5. Symbol description:
   A-Line is the design excavation line.
   B-Line is the overbreak line.
   R denotes round bar, yield strength of the round bar is 280MPa.
   D denotes deformed bar, yield strength of the deformed bar is 500MPa;
6. See subsequent drawings for concrete structure and reinforcement.

Scale:
1:50 0 0.5 1 1.5 2 2.5m

REFERENCE DRAWINGS

UT1-C-070-CVL-DG-59001	LAYOUT OF TAILRACE SYSTEM
UT1-C-080-CVL-DG-59001	EXCAVATION AND SUPPORT DRAWING OF TAILRACE OUTLET GATE CHANNBER
UT1-C-000-CVL-DG-40001	DETAILED DESIGN DRAWING OF EXCAVATION AND SUPPORT FOR UNDERGROUND CAVERN

SYMBOL AND LEGEND

FOR APPROVAL

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REV. NO.	DATE	DESCRIPTION	DRAWN	CHKD.	APPD.
A	16.APR.,2022	FIRST ISSUE	ZHANG KAI	ZHANG J.Q.	ZHANG FAN LI W.G.

PROJECT TITLE

Upper Trishuli-1 HEP (216MW)

OWNER

NWEDC NEPAL WATER AND ENERGY DEVELOPMENT CO. PVT. LTD.

OWNER'S ENGINEER

TRACTEBEL ENGIE · jade CONSULT

CONTRACTOR

DOOSAN Doosan Heavy Industries & Construction

DRAWING TITLE

EXCAVATION AND INITIAL SUPPORT DRAWINGS OF TAILRACE TUNNEL(2/7)

INDEX	DRAWING NUMBER	SHEET NO.	REV. NO.
A	UT1-C-070-CVL-DG-59002-02	2 OF 7	0A

A1 (594 x 841 MM)